Method for Preventing IP Address Cheating
in Dynamic Address Allocation

Abstract

Disclosed is a method for preventing IP address cheating in dynamic address allocation. Firstly, check the source MAC address and the source IP address involved in an ARP packet sent from a subscriber terminal, i.e., detect whether there is a matching item in the legal subscriber address table; if so, process it normally, otherwise discard the ARP packet. In this way, an illegal subscriber cannot access to network through IP address cheating, but a legal subscriber can operate normally and continuously. For a subscriber terminal with a static IP address, a static item table is set in the legal subscriber address by manual configuration. When a new subscriber terminal asks for being allocated an IP address, check whether the IP address to be allocated has been set as a static item; if so, inform the subscriber terminal of applying for another IP address. In this way, it is guaranteed that static IP address having been allocated to a subscriber terminal will not be re-allocated, and it is avoided that the subscriber terminal with legal static IP address cannot access to network normally due to the re-allocation of IP address.